15437-0592

1/16

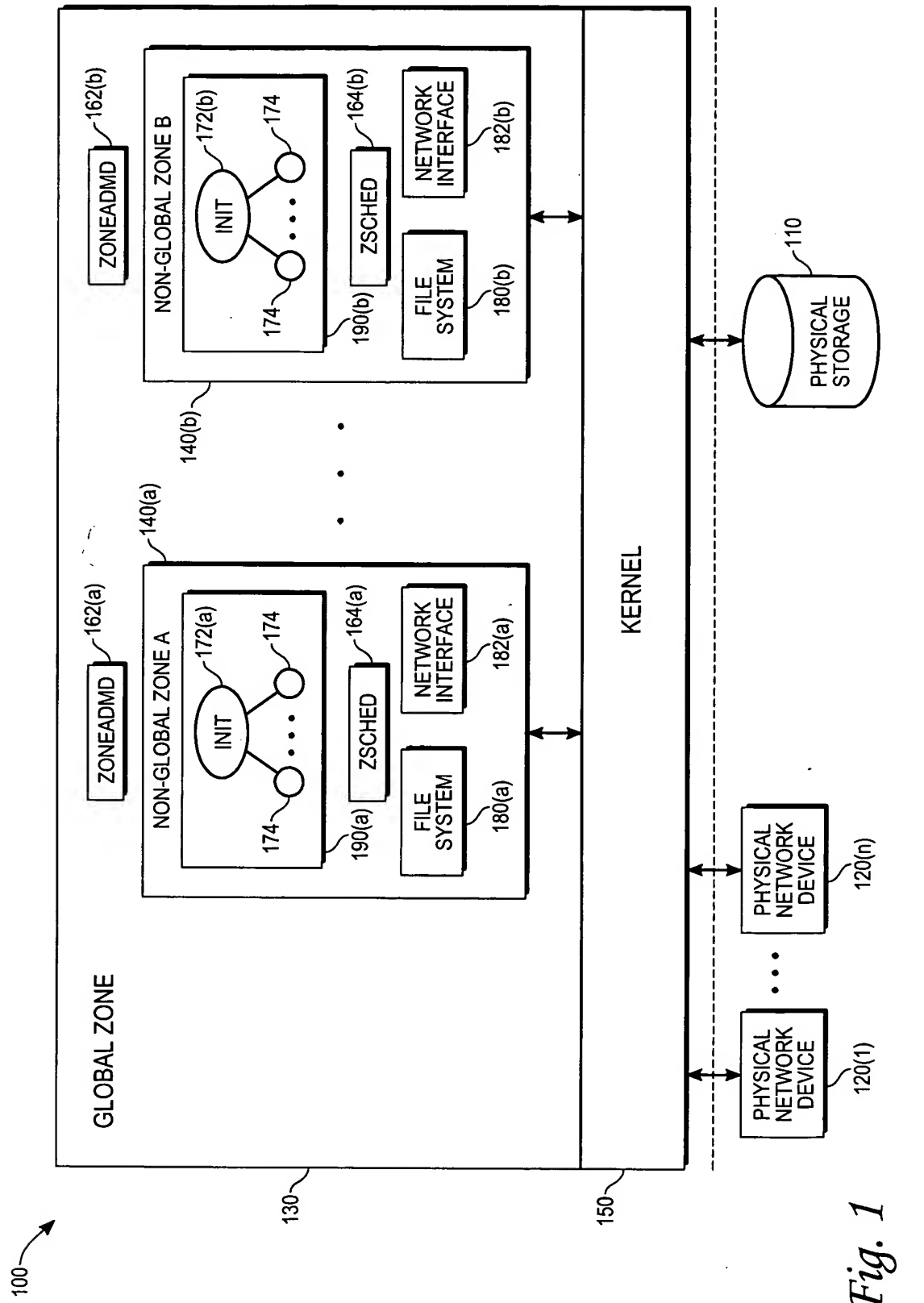

Fig. 1

15437-0592

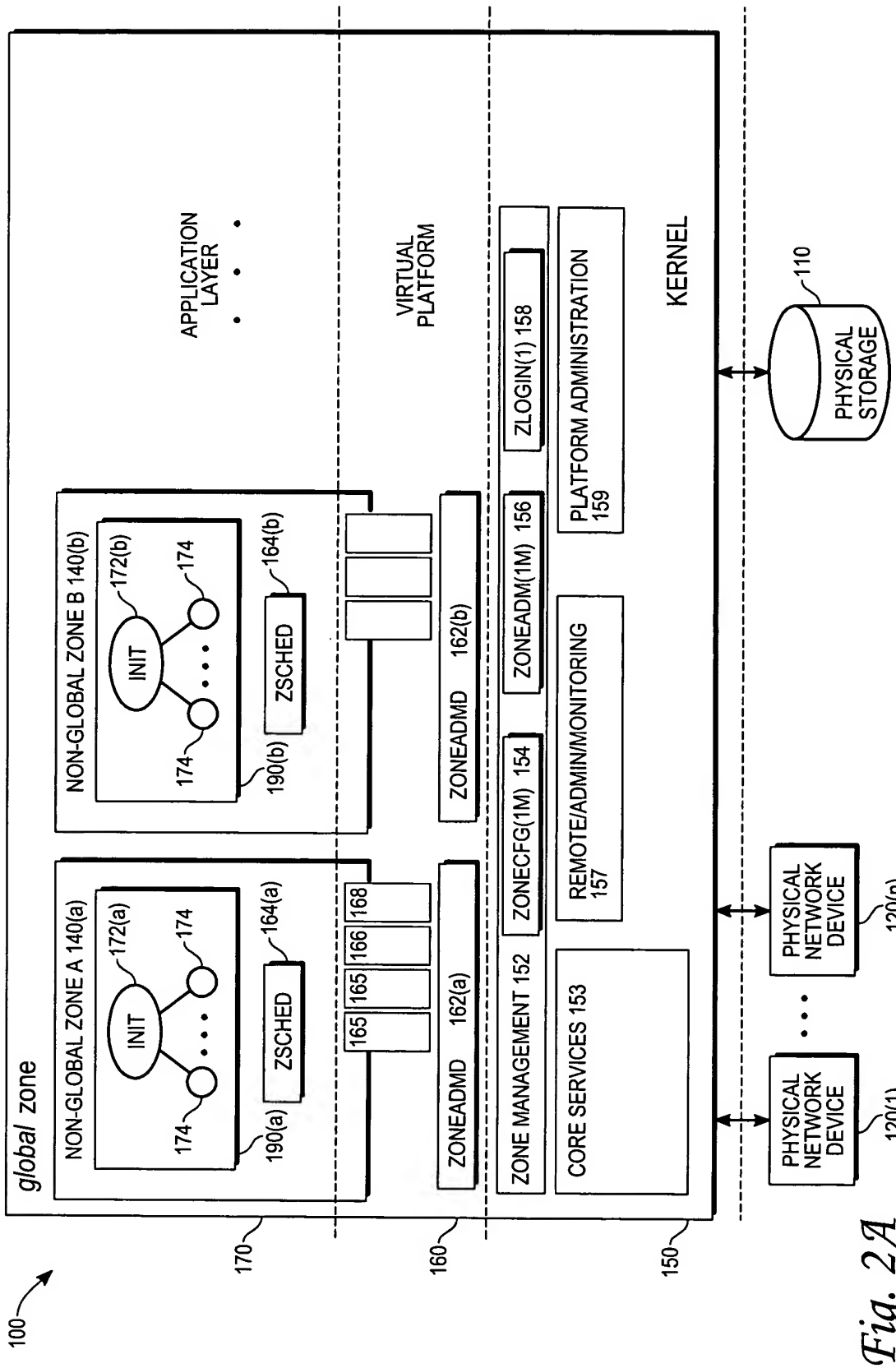

Fig. 2A

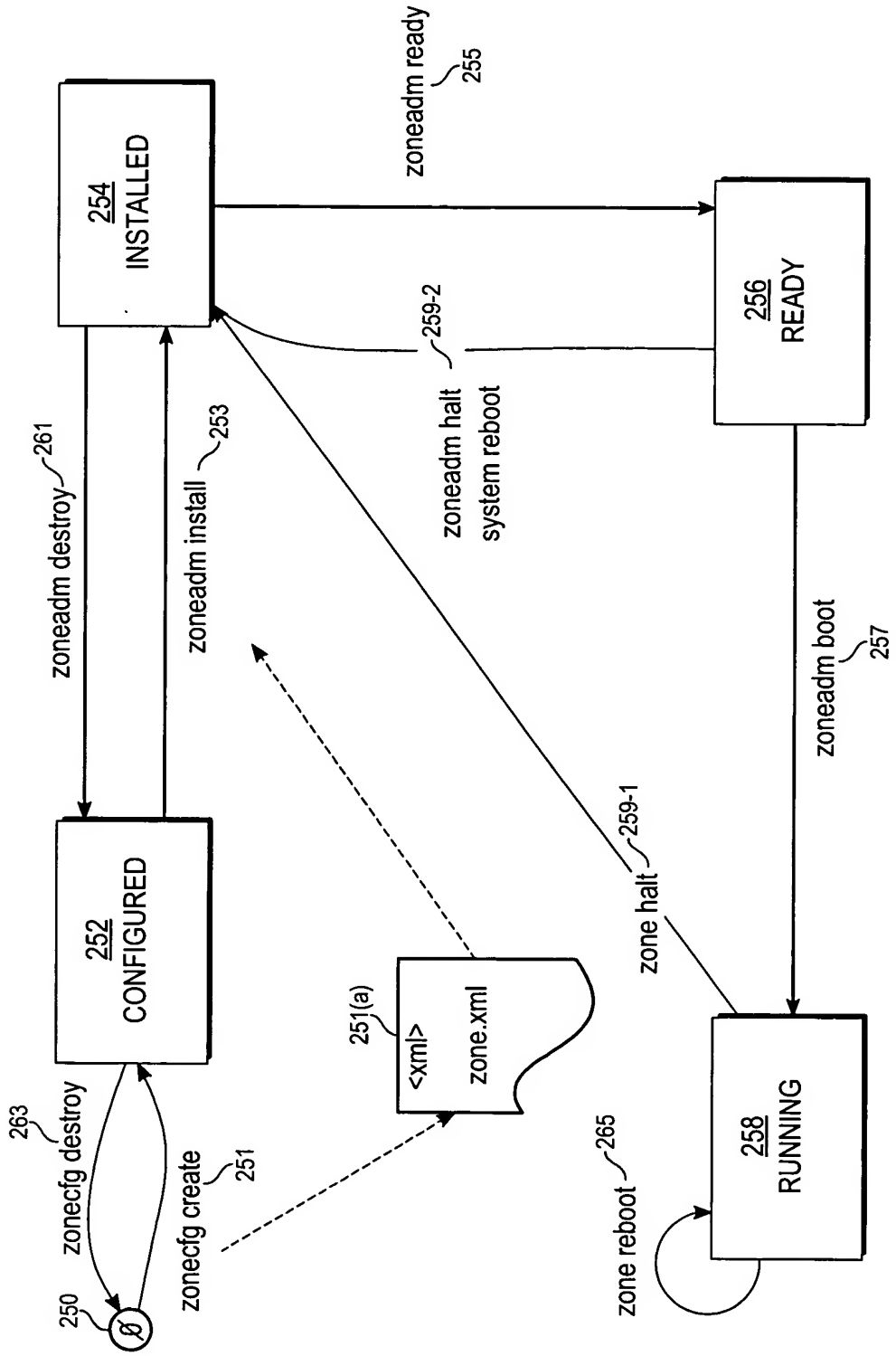
254
INSTALLED
zoneadm ready
255
256
READY
259-2
zoneadm halt
system reboot
261
zoneadm destroy
253
zoneadm install
zoneadm boot
257
259-1
zone halt
252
CONFIGURED
251(a)
<xml>
zone.xml
263
zonecfg destroy
zonecfg create
251
250
265
zone reboot
258
RUNNING

Fig. 2B

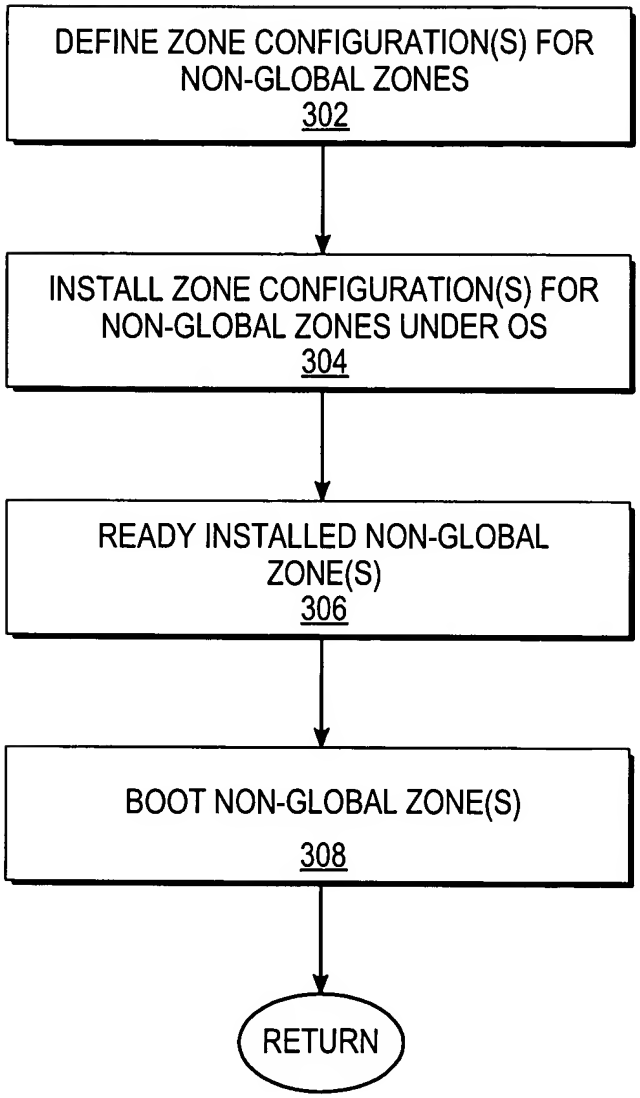
DEFINE ZONE CONFIGURATION(S) FOR NON-GLOBAL ZONES
302
INSTALL ZONE CONFIGURATION(S) FOR NON-GLOBAL ZONES UNDER OS
304
READY INSTALLED NON-GLOBAL ZONE(S)
306
BOOT NON-GLOBAL ZONE(S)
308
RETURN

Fig. 3A

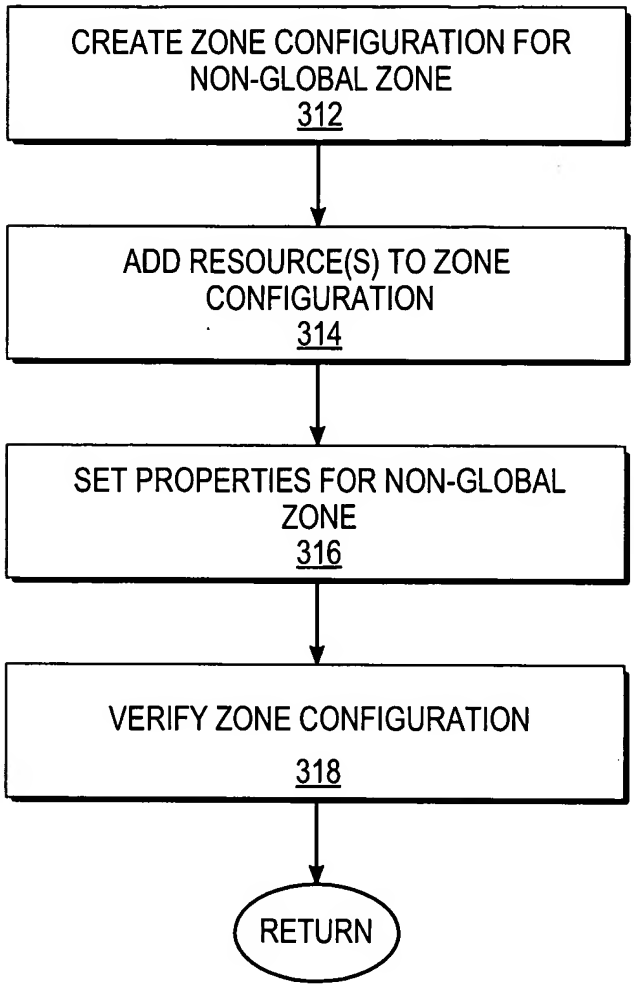
CREATE ZONE CONFIGURATION FOR NON-GLOBAL ZONE
312
ADD RESOURCE(S) TO ZONE CONFIGURATION
314
SET PROPERTIES FOR NON-GLOBAL ZONE
316
VERIFY ZONE CONFIGURATION
318
RETURN

Fig. 3B

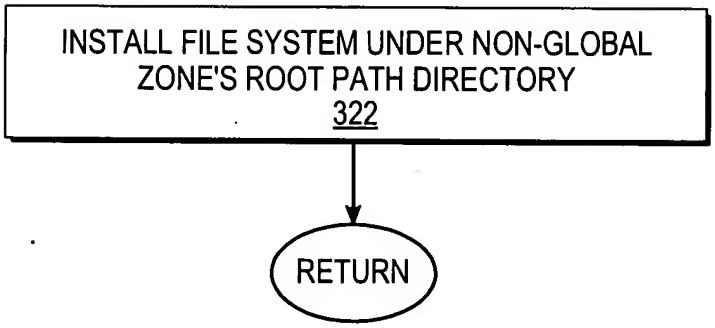
INSTALL FILE SYSTEM UNDER NON-GLOBAL ZONE'S ROOT PATH DIRECTORY
322
RETURN

Fig. 3C

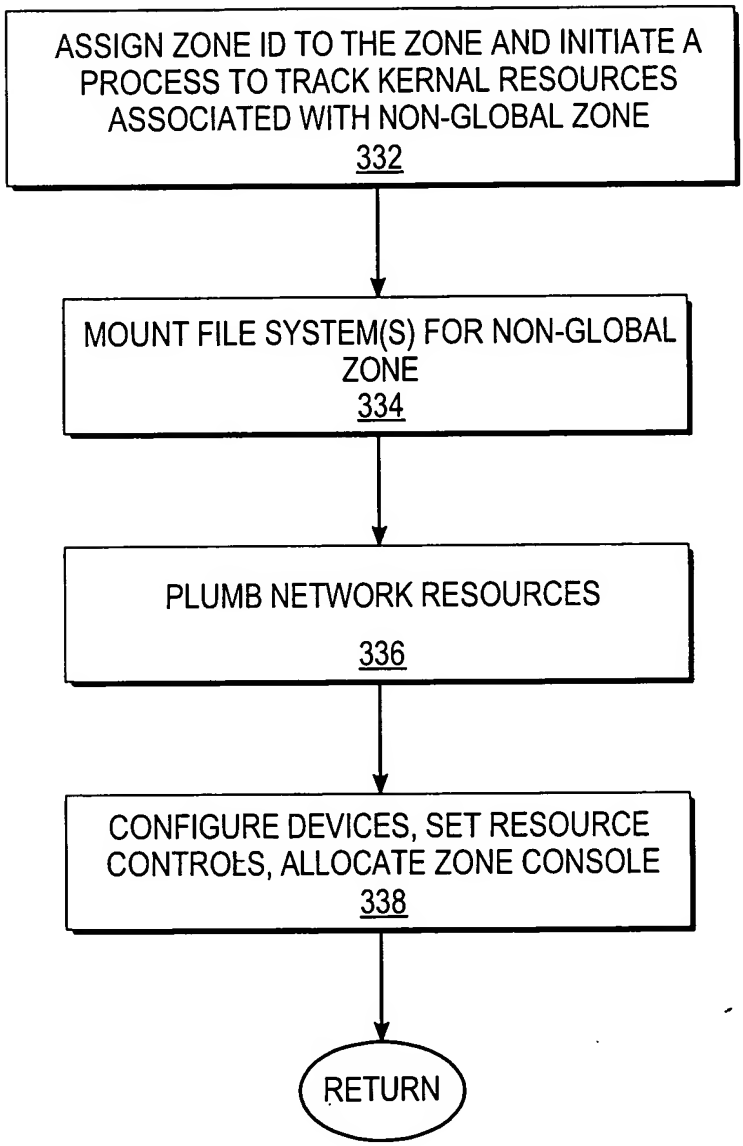
ASSIGN ZONE ID TO THE ZONE AND INITIATE A PROCESS TO TRACK KERNAL RESOURCES ASSOCIATED WITH NON-GLOBAL ZONE
332
MOUNT FILE SYSTEM(S) FOR NON-GLOBAL ZONE
334
PLUMB NETWORK RESOURCES
336
CONFIGURE DEVICES, SET RESOURCE CONTROLS, ALLOCATE ZONE CONSOLE
338
RETURN

Fig. 3D

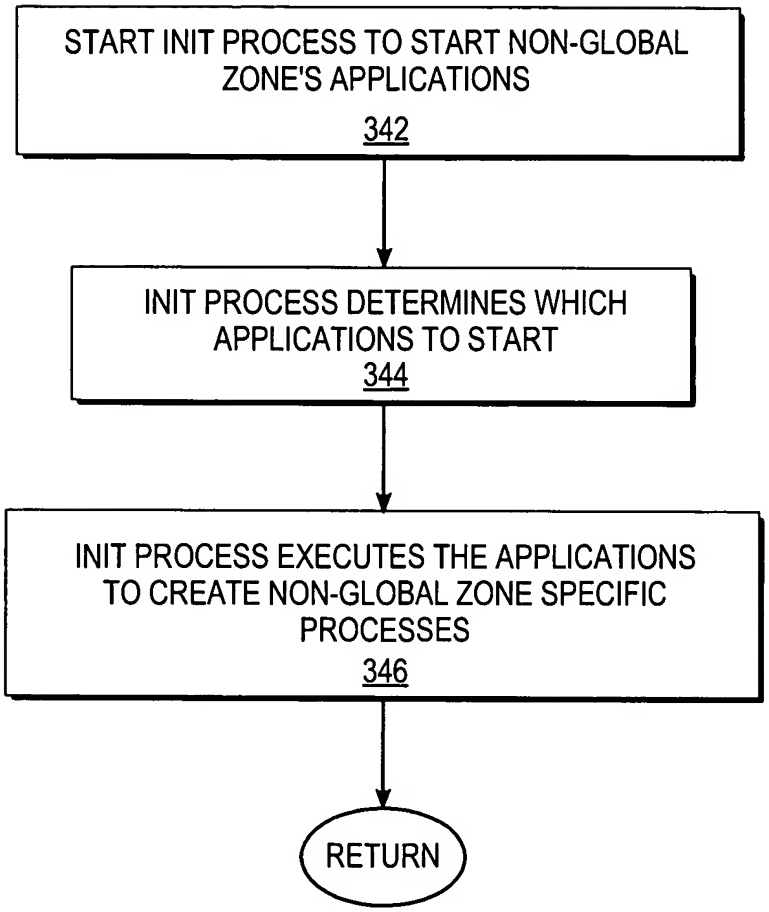
START INIT PROCESS TO START NON-GLOBAL ZONE'S APPLICATIONS
342
INIT PROCESS DETERMINES WHICH APPLICATIONS TO START
344
INIT PROCESS EXECUTES THE APPLICATIONS TO CREATE NON-GLOBAL ZONE SPECIFIC PROCESSES
346
RETURN

Fig. 3E

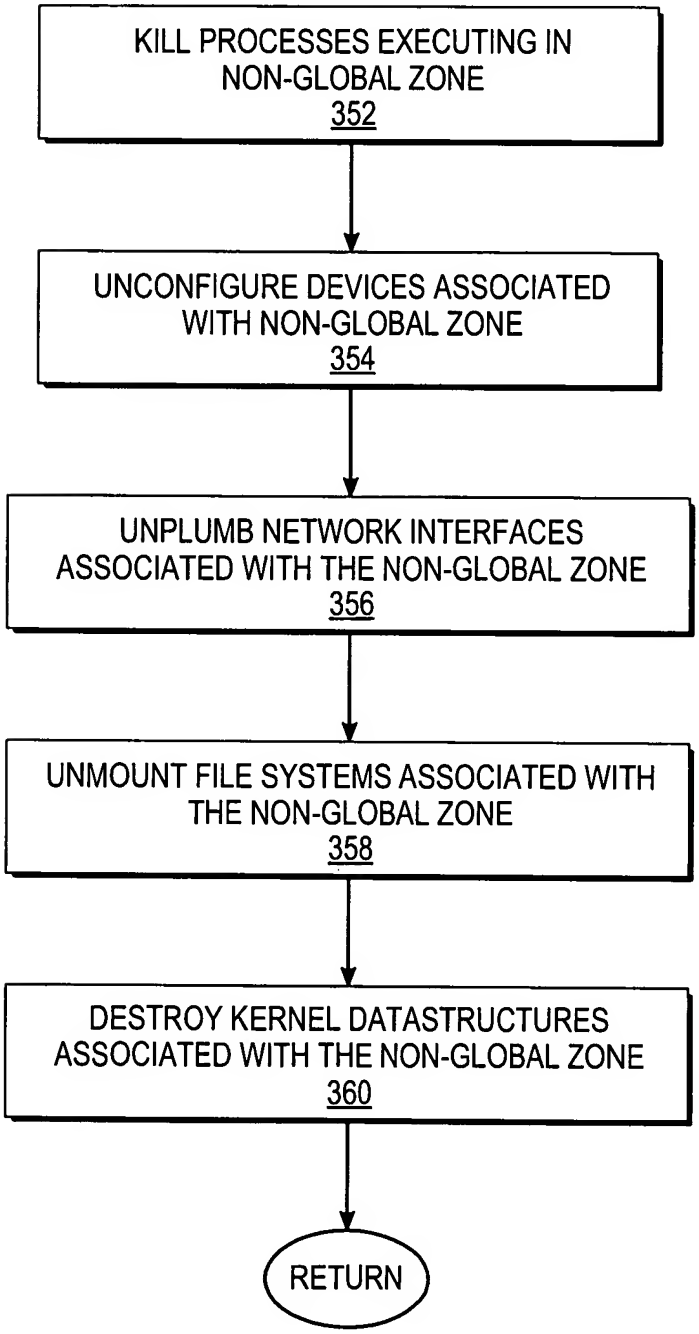
KILL PROCESSES EXECUTING IN NON-GLOBAL ZONE
352
UNCONFIGURE DEVICES ASSOCIATED WITH NON-GLOBAL ZONE
354
UNPLUMB NETWORK INTERFACES ASSOCIATED WITH THE NON-GLOBAL ZONE
356
UNMOUNT FILE SYSTEMS ASSOCIATED WITH THE NON-GLOBAL ZONE
358
DESTROY KERNEL DATASTRUCTURES ASSOCIATED WITH THE NON-GLOBAL ZONE
360
RETURN

Fig. 3F

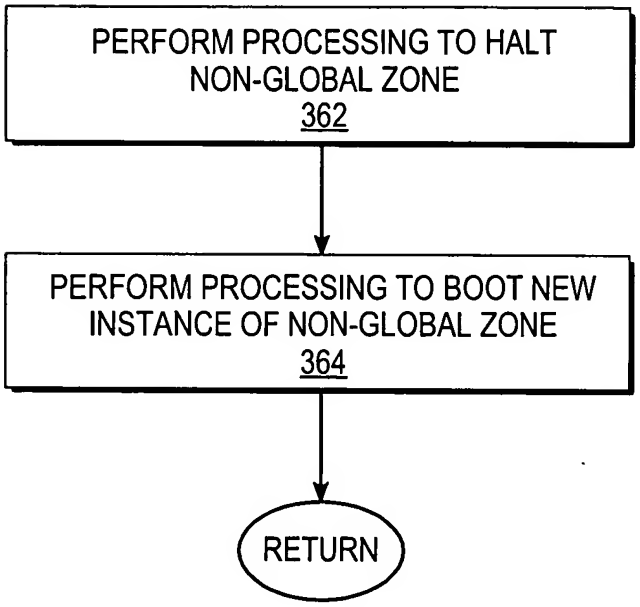
PERFORM PROCESSING TO HALT NON-GLOBAL ZONE
362
PERFORM PROCESSING TO BOOT NEW INSTANCE OF NON-GLOBAL ZONE
364
RETURN

Fig. 3G

```
global# zoneadm list -cv                                    402
401 ID NAME          403    STATE        405    PATH        407
  0 global                  running             /           404
  - my-zone                 configured          /aux0/my-zone 406
  - fun                     installed           /aux0/fun   408
 15 nofun                   ready               /aux1/nofun 410
  7 lucky                   running             /aux0/lucky 412
 13 unlucky                 shutting_down       /aux1/unlucky 414

global# pgrep -lf zoneadmd                                  420
10819 zoneadmd -z nofun                                     422
10227 zoneadmd -z lucky                                     424
10304 zoneadmd -z unlucky                                   426
```

Fig. 4A

```
global# zonecfg -z my-zone                                    430
zonecfg: my-zone> create                                      432
zonecfg: my-zone> set zonepath=/aux0/my-zone                  434
zonecfg: my-zone> add net                                     436
zonecfg: my-zone:net> set physical=hme0                       438
zonecfg: my-zone:net> set address=129. 146. 126. 203/24       440
zonecfg: my-zone:net> end                                     441
zonecf: my-zone> verify                                       442
zonecfg: my-zone> commit                                      444
zonecfg: my-zone> ^D
global#
```

Fig. 4B

```
global# zoneadm -z my-zone verify                    446
/aux0/my-zone must not be world readable.
cannot verify zonepath /aux0/my-zone because of the above errors.  448
zoneadm: zone my-zone failed to verify
global# chmod 700 /aux0/my-zone                      450

global# zoneadm -z my-zone verify                    452
global# zoneadm -z my-zone install                   454

global# zoneadm list -iv                             456
  ID NAME             STATE      PATH                  458
   0 global           running    /
   - my-zone          installed  /aux0/my-zone
```

Fig. 4C

```
global# zoneadm -z my-zone ready      460
global# zoneadm list -v               462
  ID NAME             STATE      PATH                  464
   0 global           running    /
   1 my-zone          ready      /aux0/my-zone
```

Fig. 4D

```
global# zoneadm -z my-zone boot       466
global# zoneadm list -v               468
  ID NAME             STATE      PATH                  470
   0 global           running    /
   1 my-zone          running    /aux0/my-zone
```

Fig. 4E

```
global# zoneadm list -v                    472
  ID NAME             STATE      PATH                    474
   0 global           running    /
   1 my-zone          running    /aux0/my-zone

global# zoneadm -z my-zone halt            476
global# zoneadm list -iv                   478
  ID NAME             STATE      PATH                    480
   0 global           running    /
   - my-zone          installed  /aux0/my-zone
```

Fig. 4F

```
global# zoneadm list -v                    482
  ID NAME             STATE      PATH
   0 global           running    /                484
   1 my-zone          running    /aux0/my-zone

global# zoneadm -z my-zone reboot          486
global# zoneadm list -v                    488
  ID NAME             STATE      PATH
   0 global           running    /                490
   2 my-zone          running    /aux0/my-zone
```

Fig. 4G

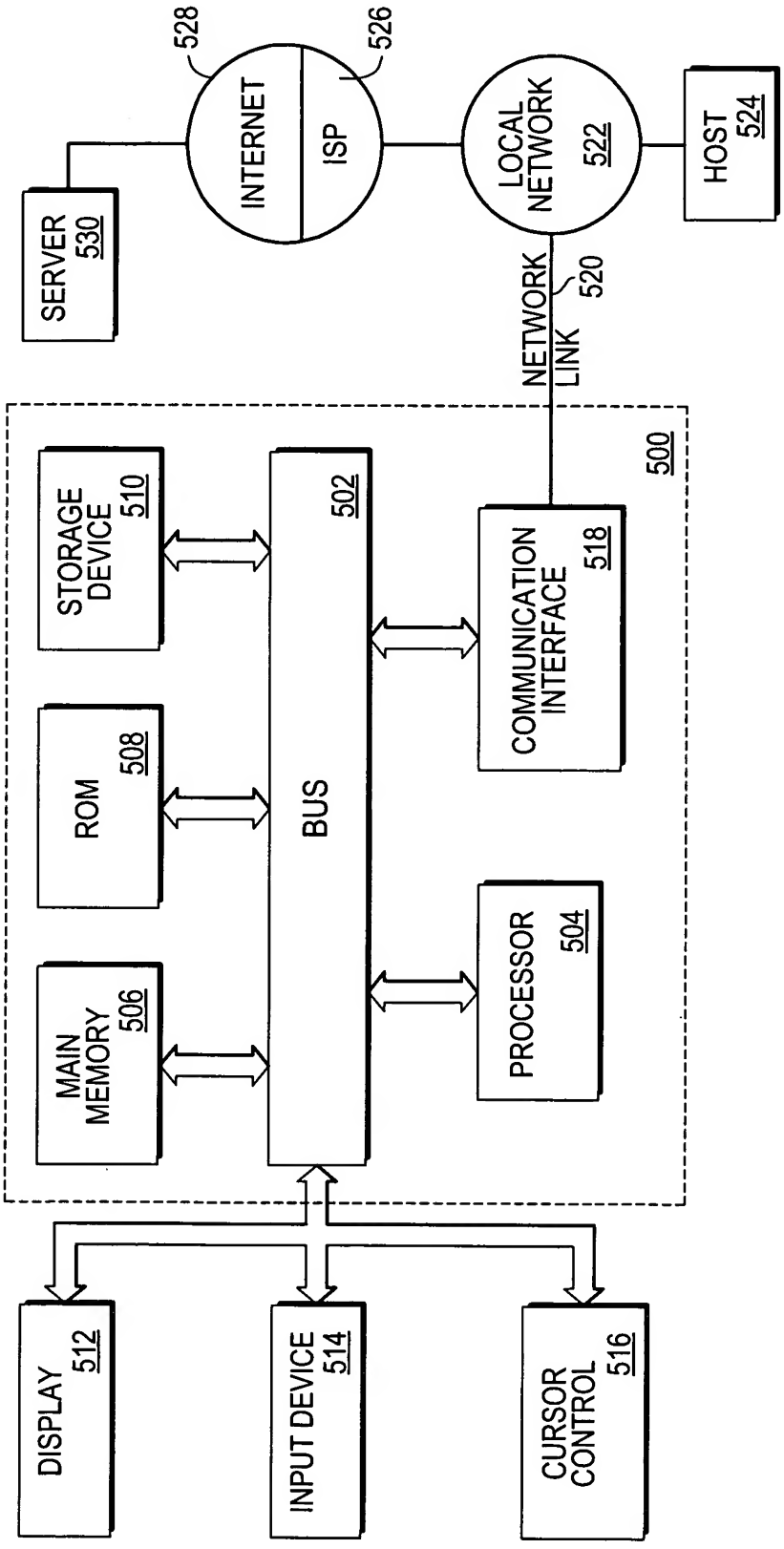
528
526
INTERNET
ISP
LOCAL NETWORK
522
HOST
524
SERVER
530
NETWORK LINK
520
500
STORAGE DEVICE
510
502
COMMUNICATION INTERFACE
518
ROM
508
BUS
MAIN MEMORY
506
PROCESSOR
504
DISPLAY
512
INPUT DEVICE
514
CURSOR CONTROL
516

Fig. 5